

## Independent Practice

## Expressions and Operations A.13

Read and solve each question.

- Which is the closest to the value of  $3\sqrt{5}$  ?
  - 3.9
  - 6.7
  - 7.5
  - 8.7
  
- Which is the closest to the value of  $(\sqrt{12})(\sqrt{15})$  ?
  - 52.0
  - 13.5
  - 13.4
  - 6.7
  
- In kilometers, the approximate distance to the earth's horizon from a point  $h$  meters above the surface can be determined by evaluating the expression  $\sqrt{12h}$ . About how far is the apparent horizon from a person looking out to sea from the top of a cliff 350 meters above sea level?
  - 21 km
  - 65 km
  - 130 km
  - 225 km
  
- Which is the closest to the value of  $\frac{\sqrt{17}}{\sqrt{10}}$  ?
  - 0.8
  - 1.3
  - 1.7
  - 2.6